

## Floods Caused by Tropical Systems: Passaic River near Chatham

Latitude: 40.726

Period of Record: 1903-Present

Longitude: -74.39

Flood Stage: 6 ft

Last Flood: 4/30/2014

Number of Floods: 82

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
8/28/1971	8.16	2,540	Tropical Storm Doria dumped 3 to 7 inches of rain across the region. Localized rainfall amounts of 8 to 10 inches were reported in the Tidewater area, Eastern NJ and Eastern PA.
9/27/1975	8.14	2,520	The remnants of Hurricane Eloise combined with a cold front and produced very heavy rainfall in the Mid-Atlantic. Washington, D.C. reported 9.08" of rainfall. Total damage for Virginia was estimated to be \$17.2 million.
8/29/2011	7.76	2,620	Hurricane Irene brought heavy rains and flooding 26-28 August 2011. Area averaged rainfall from gauge and radar data indicated a broad swath of 3 to 10 inches with over 13" at a couple of spots.
9/17/1999	7.60	2,210	Hurricane Floyd produced heavy rainfall from Virginia to Long Island. Rainfall totals ranged from 12 inches in Delaware to 16.57 inches in Newport News, Virginia. Two dams burst in New Jersey and several flood records were broken in New Jersey.
9/21/1938	6.86	1,910	The Long Island Express Hurricane produced more than 5 inches of rain in New Jersey, New York and other parts of the Northeast. Major flooding occurred across New York, New Jersey and Pennsylvania.
6/22/1972	6.57	1,520	Hurricane Agnes made landfall again over southeastern New York on June 22 and moved westward into Pennsylvania. Rainfall totals from June 20-25 range from 2-3 inches in the Upper Potomac to 18 inches near Shamokin, Pennsylvania.
8/19/1955	6.31	1,390	Hurricane Diane made landfall 5 days after Hurricane Connie. Hurricane Diane produced several inches of rain with locally heavier amounts of 10 to 20 inches.
8/14/1955	6.30	1,380	Hurricane Connie produced 4 to 8 inches of rainfall across the Mid-Atlantic region, with locally heavier amounts exceeding 10 inches.

Drainage Area: 100 sq mi

Tropical information before 1940 is limited.

County of Gage: Morris

Gage Datum: 193.51 ft MSL

Passaic Basin

County of Forecast Point: Morris

Date of Crest	Crest (ft)	Streamflow (cfs)	Remarks
9/9/2011	6.25	1,510	The remnants of tropical storm (TS) Lee moved up the Appalachian Mountains and interacted with a quasi-stationary east-west frontal boundary. 10 to 15 inches fell at numerous locations in Central PA and NY.
9/6/1979	6.13	1,260	Hurricane David dumped 3-7 inches of rainfall across Virginia, Maryland and Pennsylvania.
10/13/1990	6.12	1,250	Moisture of Tropical Storm Marco, Tropical Storm Klaus and a frontal boundary produced copious rainfall amounts.
10/10/2005	6.11	1,260	Tropical Storm Tammy was absorbed into a cold front and produced 2-day rainfall totals of 4 to 7 inches. Flooding was reported in the Raritan, Passaic, Delaware and Lower Main Stem Susquehanna Basins.

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Passaic Basin

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